





1600

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/492,764B

DATE: 06/03/2002

TIME: 13:31:22

Input Set : A:\10873-008.txt

Output Set: N:\CRF3\06032002\I492764B.raw

RECEIVED

			RECEIVED	
	APPLICANT: Jove, Richard			
7	Hamilton, Andrew		JUN 1 2	2002
9	Gilbert, Richard			
11	Dalton, WIlliam	_		4000/0000
13	Sebti, Said	Ţ	ECH CENTER	1600/2900
15	Yu, Hua			
17	Heller, Richard			
19	Jaroszeski, Mark			·
	TITLE OF INVENTION: INHIBITION OF STAT3 SIGN	NAL TRANSDUCTION	FOR HUMAN	CANCER
24	THERAPY			
	FILE REFERENCE: 10873-008-999			
	CURRENT APPLICATION NUMBER: 09/492,764B			
	CURRENT FILING DATE: 2000-01-27			
	PRIOR APPLICATION NUMBER: 60/117,600			
	PRIOR FILING DATE: 1999-01-27			
	NUMBER OF SEQ ID NOS: 38			
	SOFTWARE: PatentIn version 3.0			
	SEQ ID NO: 1			
	LENGTH: 24			
	TYPE: DNA			
	ORGANISM: Homo sapiens			
	SEQUENCE: 1		0.4	
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	SEQ ID NO: 2			
	LENGTH: 24			
	TYPE: DNA			
	ORGANISM: Homo sapiens			
	SEQUENCE: 2		2.4	
-	cattt cccgtaaatc ccta		24	
	SEQ ID NO: 3			
	LENGTH: 22			
	TYPE: DNA			
	ORGANISM: Homo sapiens			
	SEQUENCE: 3	•	2.2	
_	ccggc cggggaggcg ct		22	
	SEQ ID NO: 4			
	LENGTH: 25			
	TYPE: DNA			
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	> SEQUENCE: 4		25	
_	gacttc tcccgccgct accgc		23	
	> SEQ ID NO: 5			
110 <211	> LENGTH: 25			

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114 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 5
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124 <211> LENGTH: 20
126 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 6
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136 <210> SEQ ID NO: 7
138 <211> LENGTH: 20
140 <212> TYPE: DNA
142 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 7
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147 tcaggaacca gcggttgaag
150 <210> SEQ ID NO: 8
152 <211> LENGTH: 20
154 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 8
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164 <210> SEQ ID NO: 9
166 <211> LENGTH: 20
168 <212> TYPE: DNA
170 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 9
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180 <211> LENGTH: 9
182 <212> TYPE: DNA
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188 <400> SEQUENCE: 10
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194 <211> LENGTH: 9
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198 <213> ORGANISM: Homo sapiens
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206 <210> SEQ ID NO: 12
208 <211> LENGTH: 12
210 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens
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218 <221> NAME/KEY: misc_feature
220 <223> OTHER INFORMATION: Xaa = Ser or Pro
224 <400> SEQUENCE: 12
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W--> 226 His Tyr Xaa Pro Ile Leu Val Tyr Gln Pro Ser Trp

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Input Set : A:\10873-008.txt

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227 1 10 229 <210> SEQ ID NO: 13 231 <211> LENGTH: 12 233 <212> TYPE: PRT 235 <213> ORGANISM: Homo sapiens 239 <400> SEQUENCE: 13 241 Gln Asp Val His Leu Thr Gln Gln Ser Arg Tyr Thr 5 242 1 244 <210> SEQ ID NO: 14 246 <211> LENGTH: 12 248 <212> TYPE: PRT 250 <213> ORGANISM: Homo sapiens 254 <400> SEQUENCE: 14 256 Ser His Pro Trp Asn Ala Gln Arg Glu Leu Ser Val 257 1 259 <210> SEQ ID NO: 15 261 <211> LENGTH: 12 263 <212> TYPE: PRT 265 <213> ORGANISM: Homo sapiens 269 <400> SEQUENCE: 15 271 Tyr Pro Ala Pro Gln Pro Leu Val Thr Lys Thr Ser 272 1 274 <210> SEQ ID NO: 16 276 <211> LENGTH: 12 278 <212> TYPE: PRT 280 <213> ORGANISM: Homo sapiens 284 <400> SEQUENCE: 16 286 Phe Ser Tyr Pro Leu Thr Arg Ala Pro Leu Asn Met 287 1 289 <210> SEQ ID NO: 17 291 <211> LENGTH: 7 293 <212> TYPE: PRT 295 <213> ORGANISM: Homo sapiens 299 <400> SEQUENCE: 17 301 His Ala Ile Tyr Pro Arg Asn 302 1 304 <210> SEQ ID NO: 18 306 <211> LENGTH: 7 308 <212> TYPE: PRT 310 <213> ORGANISM: Homo sapiens 314 <400> SEQUENCE: 18 316 Ala Ser Thr Leu Pro Lys Ala 317 1 319 <210> SEQ ID NO: 19 321 <211> LENGTH: 7 323 <212> TYPE: PRT 325 <213> ORGANISM: Homo sapiens 329 <400> SEQUENCE: 19

331 Ile Gln Ser Pro His Phe Phe

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Input Set : A:\10873-008.txt

Output Set: N:\CRF3\06032002\I492764B.raw

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     334 <210> SEQ ID NO: 20
     336 <211> LENGTH: 6
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     340 <213> ORGANISM: Homo sapiens
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     346 <221> NAME/KEY: misc_feature
     348 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
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     357 <210> SEQ ID NO: 21
     359 <211> LENGTH: 6
     361 <212> TYPE: PRT
     363 <213> ORGANISM: Homo sapiens
     367 <400> SEQUENCE: 21
     369 Pro Tyr Leu Lys Thr Lys
     370 1
     372 <210> SEQ ID NO: 22
     374 <211> LENGTH: 6
     376 <212> TYPE: PRT
     378 <213> ORGANISM: Homo sapiens
     382 <220> FEATURE:
     384 <221> NAME/KEY: misc_feature
     386 <223> OTHER INFORMATION: X= PHOSPHOTYROSINE
     390 <400> SEQUENCE: 22
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     393 1
     395 <210> SEQ ID NO: 23
     397 <211> LENGTH: 6
     399 <212> TYPE: PRT
     401 <213> ORGANISM: Homo sapiens
     405 <220> FEATURE:
     407 <221> NAME/KEY: misc_feature
     409 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
     413 <400> SEQUENCE: 23
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     418 <210> SEQ ID NO: 24
     420 <211> LENGTH: 6
     422 <212> TYPE: PRT
     424 <213> ORGANISM: Homo sapiens
     428 <220> FEATURE:
     430 <221> NAME/KEY: misc_feature
     432 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
     436 <400> SEQUENCE: 24
W--> 438 Pro Xaa Leu Ala Thr Lys
     439 1
     441 <210> SEQ ID NO: 25
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Input Set : A:\10873-008.txt Output Set: N:\CRF3\06032002\I492764B.raw 443 <211> LENGTH: 6 445 <212> TYPE: PRT 447 <213> ORGANISM: Homo sapiens 451 <220> FEATURE: 453 <221> NAME/KEY: misc_feature 455 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE 459 <400> SEQUENCE: 25 W--> 461 Pro Xaa Leu Lys Ala Lys 462 1 464 <210> SEQ ID NO: 26 466 <211> LENGTH: 6 468 <212> TYPE: PRT 470 <213> ORGANISM: Homo sapiens 474 <400> SEQUENCE: 26 476 Pro Tyr Leu Lys Thr Ala 477 1 479 <210> SEQ ID NO: 27 481 <211> LENGTH: 4 483 <212> TYPE: PRT 485 <213> ORGANISM: Homo sapiens 489 <220> FEATURE: 491 <221> NAME/KEY: misc_feature 493 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE 497 <400> SEQUENCE: 27 W--> 499 Pro Xaa Leu Lys 500 1 502 <210> SEQ ID NO: 28 504 <211> LENGTH: 4 506 <212> TYPE: PRT 508 <213> ORGANISM: Homo sapiens 512 <220> FEATURE: 514 <221> NAME/KEY: misc_feature 516 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE 520 <400> SEQUENCE: 28 W--> 522 Pro Xaa Phe Lys 523 1 525 <210> SEQ ID NO: 29 527 <211> LENGTH: 3 529 <212> TYPE: PRT 531 <213> ORGANISM: Homo sapiens 535 <220> FEATURE: 537 <221> NAME/KEY: misc_feature 539 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE 543 <400> SEQUENCE: 29

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/492,764B

548 <210> SEQ ID NO: 30 550 <211> LENGTH: 4 552 <212> TYPE: PRT

W--> 545 Xaa Leu Lys 546 1 RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/492,764B

DATE: 06/03/2002 TIME: 13:31:23

Input Set : A:\10873-008.txt

Output Set: N:\CRF3\06032002\I492764B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the $\langle 220 \rangle$ to $\langle 223 \rangle$ fields of each sequence which presents at least one n or Xaa.

Seq#:12; Xaa Pos. 3 Seg#:20; Xaa Pos. 2 Seg#:22; Xaa Pos. 2 Seq#:23; Xaa Pos. 2 Seq#:24; Xaa Pos. 2 Seq#:25; Xaa Pos. 2 Seq#:27; Xaa Pos. 2 Seq#:28; Xaa Pos. 2 Seq#:29; Xaa Pos. 1 Seq#:30; Xaa Pos. 2 Seq#:32; Xaa Pos. 2 Seq#:34; Xaa Pos. 2 Seq#:35; Xaa Pos. 2 Seg#:36; Xaa Pos. 2 Seq#:37; Xaa Pos. 2 Seq#:38; Xaa Pos. 2

VARIABLE LOCATION SUMMARY PATENT APPLICATION: US/09/492,764B

DATE: 06/03/2002 TIME: 13:31:23

Input Set : A:\10873-008.txt

Output Set: N:\CRF3\06032002\I492764B.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of $\langle 220 \rangle$ to $\langle 223 \rangle$ is MANDATORY if n's or Xaa's are present. in $\langle 220 \rangle$ to $\langle 223 \rangle$ section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:12; Xaa Pos. 3 Seq#:20; Xaa Pos. 2 Seq#:22; Xaa Pos. 2 Seq#:23; Xaa Pos. 2 Seq#:24; Xaa Pos. 2 Seq#:25; Xaa Pos. 2 Seq#:27; Xaa Pos. 2 Seq#:28; Xaa Pos. 2 Seq#:29; Xaa Pos. 1 Seq#:30; Xaa Pos. 2 Seq#:32; Xaa Pos. 2 Seq#:34; Xaa Pos. 2 Seq#:35; Xaa Pos. 2 Seq#:36; Xaa Pos. 2 Seq#:37; Xaa Pos. 2 Seq#:38; Xaa Pos. 2

VERIFICATION SUMMARY DATE: 06/03/2002 PATENT APPLICATION: US/09/492,764B TIME: 13:31:23

Input Set : A:\10873-008.txt

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L:226 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12 L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0 L:354 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20 L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0 L:392 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22 L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0 L:415 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23 L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0 L:438 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24 L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0 L:461 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25 L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0 L:499 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27 L:499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0 L:522 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28 L:522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0 L:545 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29 L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0 L:568 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30 L:568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0 L:606 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32 L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0 L:644 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34 L:644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0 L:667 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35 L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0 L:690 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:36 L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0 L:713 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37 L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0 L:736 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38 L:736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0